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Sunways Statement

AS/NZS5033:2021 Standards - Inverter Max Short Circuit Current

Sunways confirms its inverters satisfy the short circuit design calculation requirement under **clause 4.5.1** stated in **AS5033:2021**. This clause requires the maximum short circuit input current of the inverter to exceed 1.25 x PV Module (or Single PV String) Isc rating. The following inverter models meet the compatibility of solar modules with Isc equal to or less than **16A**.

Single Phase Inverter Model	Max Short Circuit Current Per Input	Three Phase Inverter Model	Max Short Circuit Current Per Input
STS-5KTL-P	20A	STT-4KTL-P	20A
STS-6KTL-P	20A	STT-5KTL-P	20A
STS-7KTL	20A	STT-6KTL-P	20A
STS-8KTL	20A	STT-8KTL-P	20A
STS-9KTL	20A	STT-10KTL-P	20A
STS-10KTL	20A	STT-12KTL-P	20A
STS-11KTL	20A	STT-15KTL-P	20A
		STT-17KTL-P	20A
		STT-20KTL-P	20A
		STT-25KTL-P	20A

The above mentioned Sunways inverters have a max short circuit input current of **20A** per Inputs which means you can confidently install Sunways inverters to pair with most of the current or future mainstream solar modules power class and safely meet the AS/NZS5033:2021 standards.

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Single Phase Inverter Model	Max Short Circuit Current Per Input	Three Phase Inverter Model	Max Short Circuit Current Per Input
STS-5KTL	15A	STT-4KTL	15A
		STT-5KTL	15A
		STT-6KTL	15A
		STT-8KTL	15A
		STT-10KTL	15A
		STT-12KTL	15A
		STT-15KTL	15A
		STT-17KTL	15A
		STT-20KTL	15A
		STT-25KTL	15A

The above mentioned Sunways inverters have a max short circuit input current of **15A** per Inputs which means you can confidently install Sunways inverters to pair with most of the current mainstream solar modules power class and safely meet the AS/NZS5033:2021 standards.

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